



TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/625,205	
	Filing Date	Jul 22, 2003	
	First Named Inventor	Davis, Jason	
	Art Unit	2621	
	Examiner Name	Not Known	
Total Number of Pages in This Submission	5+	Attorney Docket Number	C03-003

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <input type="checkbox"/> Postcard <input type="checkbox"/> Copies of cited references
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Cognex Corporation - Arthur J. O'Dea, Reg. No. 42,952
Signature	
Date	1/17/2005

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Typed or printed name	Cheryl Sloane		
Signature		Date	1/18/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Davis

Serial No.: 10/625,205

Filed: 7/22/2003

Title: METHODS FOR FINDING AND
CHARACTERIZING A DEFORMED
PATTERN IN AN IMAGE

Group Art Unit:
2621

Examiner:
Not Known

Attorney Docket No.: C03-003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
- ☐ Statement under 37 CFR 1.97(e), or
 - ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
- ☐ Statement under 37 CFR 1.97(e), and
 - ☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.



The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

Please also be advised that the following application is related and is co-pending:

10/625,201 Filed 7/22/03

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

I hereby certify that this Correspondence is being deposited with the United States Postal service with sufficient postage for first class mail in an envelope address to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or the correspondence is being facsimile transmitted to the USPTO, on the date indicated below.

Date of Deposit: 1/18/05

Arthur J. O'Dea
Attorney/Agent for Applicant(s)
Reg. No. 42952

Typed Name: Cheryl Sloane

Date: 1/17/2005

Signature:

Telephone No.: 508-650-3108



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 10/625,205

Filing Date 7/22/2003

First Named Inventor Davis et al.

Art Unit 2621

Examiner Name Not Known

Attorney Docket Number C03-003

Sheet

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-3,936,800	2/1976	Ejiri et al.	
		US-4,115,702	9/1978	Nopper	
		US-4,115,762	9/1978	Akiyama et al.	
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		US-5,497,451	3/1996	Holmes	
		US-5,500,906	3/1996	Picard et al.	
		US-5,545,887	8/1996	Smith et al.	
		US-5,602,937	2/1997	Bedrosian et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/625,205	
			Filing Date	7/22/2003	
			First Named Inventor	Davis	
			Art Unit	2621	
			Examiner Name	Not Known	
Sheet	2	of	2	Attorney Docket Number	C03-003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		GDALYAHU Y ET AL.: "Self-Organization in Vision: Stochastic Clustering for Image Segmentation, Perceptual Grouping, and Image Database Organization: IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Inc. New York, Vol. 23, no. 10, October 2001, pages 1053-1074	
		PAUWELS E J ET AL: Finding Salient Regions in Images – Nonparametric Clustering for Image Segmentation and Grouping" Computer Vision and Image Understanding, Academic Press, San Diego, CA, Vol. 75, no. 1-2, July 1999, pages 73-85	
		SCANLON J. ET AL.: Graph-theoretic Algorithms for Image Segmentation, Circuits and Systems, 1999, ISCAS '99. Proceedings of the 1999 IEEE International Symposium, Orlando, FL, May 30, 1999, pages 141-144	
		JIANBO SHI ET AL: Normalized Cuts and Image Segmentation, Computer Vision and Pattern Recognition, 1997. Proceedings, 1997 IEEE Computer Society Conference, San Juan, Puerto Rico 17-19 June 1997, pages 731-737	
		XIE X L ET AL. A new fuzzy clustering validity criterion and its application to color image segmentation, Proceedings of the International Symposium on Intelligent Control, Arlington, Aug. 13 – 15, 1991, pages 463-468	
		MEHROTRA R ET AL: Feature-based retrieval of similar shapes, Proceeding of the International Conference on Data Engineering. Vienna, April 19 – 23, 1993, pages 108-115	
		COGNEX CORPORATION, Cognex MVS-8000 Series, CVL Vision Tools Guide, pp. 25-136, Release 5.4 590-6271, Natick, MA USA 2000	
		Hoogs et al., "Model-Based Learning of Segmentations", IEEE, pp. 494-499, 1996	
		Medina-Mora, R., "An Incremental Programming Environment," IEEE Transactions on Software Engineering, September 1981, pp. 472-482, Vol. SE-7, No. 5, 1992	
		Newman et al., "3D CAD-Based Inspection I: Coarse Verification", IEEE, pp. 49-52, 1992	
		Ullman, S., "Aligning pictorial descriptions: An approach to object recognition, I: Approaches to Object Recognition," reprinted from Cognition, pp. 201-214, Volume 32, No. 3, Cambridge, MA USA, August 1989	
		deFigueiredo et al. "Model Based Orientation Independent 3-D Machine Vision Techniques, IEEE Transactions on Aerospace and Electronic Systems, vol. 24, No. 5 Sept 1988, pp.597-607	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

†Applicant's unique citation designation number (optional). ‡Applicant is to place a check mark here if English language Translation is attached.

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